

AR  
(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 61107306 A

(43) Date of publication of application: 26.05.86

(51) Int. Cl

G02B 6/44

C03C 25/04

(21) Application number: 59230548

(71) Applicant: OBA MASAHIRO

(22) Date of filing: 31.10.84

(72) Inventor: OBA MASAHIRO

(54) OPTICAL FIBER COATED WITH METALLIC PIPE  
AND ITS PRODUCTION

(57) Abstract:

PURPOSE: To improve the tensile strength, compression strength and shearing strength of an optical fiber sharply and to attain complex bending work too by coating the optical fiber with a metallic pipe.

CONSTITUTION: The optical fiber 1 is used as an optical waveguide at the time of optical communication. The glass-made optical fiber 1 is coated especially with a casing 2 such as vinyl, nylon or urethane having elasticity to protect the glass-made optical fiber 1 from the direct application of external shock. A thin pipe is generally used as an anticorrosive metallic pipe 3 made of stainless, titanium or aluminum alloy and the metallic pipe 3 loosely engaged with the optical fiber 1 is adhered with the optical fiber 1 by inserting the optical fiber into the inner diameter of the pipe 3 and drawing out and stopping the pipe 3.

COPYRIGHT: (C)1986,JPO&Japio

